

High School to College and Career Pathway: Post-Secondary

Area of Study: Skilled & Technical Sciences
Education

Pathway: Heavy Duty Diesel

Region: Southeast	District:	School:	College/Institution: Articulation Agreement in place? Yes Name of Degree or Certificate: AAS in Diesel Equipment Technology
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High School				College		
Course Number	High School Suggested Academic Courses	H.S. Credit	College Credits	Course Number	College General Education Requirements	College Credits
4162C	Introduction to Writing [^]	.5	3 ⇨	ENGL 1010	Introduction to Writing	3
4150C	Honors English 12*	.5	3 ⇨			
4160C	Literature & Composition*	.5	3 ⇨			
				MATH 1020	Trade Mathematics (or higher mathematics course)	3
					Human Relations Course	3
9952C	Computer Literacy*	.5	3 ⇨	BCIS 1010	Computer Literacy	3

Note: This is a regional agreement. Some classes and some concurrent enrollment agreements may not be available in your particular high school. See your individual school for specific program offering. **Note:** *= concurrent ^= distant

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Course CIP #	CTE Pathway Courses (credits for completion)	H.S. Credit	College Credits	Course #	College Major Course Requirements	College Credits
	Foundation Courses: (required)					
47.0605	Heavy Duty Mechanics/Diesel *	1.00	4 ⇨	DSME 1000	Introduction to Transportation Technology	4
				DSME 1110	Diesel Engine Overhaul Theory	4
				DSME1130	Diesel Engine Overhaul Lab	4
			5 ⇨	DSME 1340	Electrical and Electronics Theory	5
			3 ⇨	DSME 1360	Electrical and Electronics Lab	3
				DSME 2210	Advanced Diesel Engine Theory	5
				DSME 2230	Advanced Diesel Engine Lab	5
			5 ⇨	DSME 2410	Heavy Duty Chassis and Power Train Theory	5
			2 ⇨	DSME 2430	Heavy Duty Chassis and Power Train Lab	5
				DSME 2440	Mobile Air Conditioning Theory	2
				DSME 2460	Mobile Air Conditioning Lab	1
				HYDR 1310	Fluid Power Theory	4
				HYDR 1330	Fluid Power Lab	3
				MACH 1140	Engine Machining Theory	2
				MACH 1160	Engine Machining Lab	2
				WELD 1010	Basic SMAW	3
	Elective Courses:					
47.0105	Electronics I	1.00				
47.0604	Automotive Service Technician	1.00		DSME 1000	Introduction to Transportation Technology (see above)	
47.0606	Small Vehicle Technician	1.00				
32.0199	Student Internship (Critical Workplace Skills)	.50				
TOTAL Potential Credits Earned in High School			25	TOTAL Credits Required for Degree or Certificate		69

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